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Attorney Docket No.: DIVER1280-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jay Short and Martin Keller
Application No.: 09/636,778
Filed: August 11, 2000
Title: HIGH THROUGHPUT SCREENING METHOD FOR IDENTIFICATION OF BIOMOLECULES (As amended)

Art Unit: 1636
Examiner: L. Gansheroff

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Zeta
10-23-01

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

In response to the Office Action dated April 10, 2001, in connection with the above-identified application, please consider the following amendments and remarks:

IN THE SPECIFICATION:

Please enter the following rewritten title:

28 HIGH THROUGHPUT SCREENING METHOD FOR IDENTIFICATION OF BIOMOLECULES

Please enter the following new abstract:

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The present invention provides a method of screening for an agent that modulates the activity of a target cell component, wherein the target cell component and a selectable marker are expressed by a cell. The method includes co-encapsulating the agent in a microenvironment with the cell expressing the target cell component and detectable marker and detecting the effect of the agent on the activity of the cell component. In one embodiment, the agent is an enzyme or small molecule. The invention also provides a

CERTIFICATION UNDER 35 U.S.C. 111355 09636778
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I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on October 19, 2001, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231

Karen LePari